

## **WATER CAMPUS MAINTENANCE SPECIALIST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Water Campus Maintenance Specialist position exists is to perform a variety of journeyman level work in maintaining and repairing the City's water, wastewater and advanced water treatment facilities, including all mechanical and fabrication aspects of related equipment, machinery and process systems, at the Water Campus in the Water Resources Department. The Water Campus Maintenance Specialist provides day-to-day direction to the Water Campus Maintenance Technician. The Water Campus Maintenance Specialist position is distinguished from the Water Campus Maintenance Technician by the level of experience and skills and lead worker responsibilities. This position receives general direction from the Senior Water Maintenance Technician.

### **ESSENTIAL FUNCTIONS**

Responsible for repair and maintenance on all types of valves, pumps and equipment including chlorinators, evaporators, electric and hydraulic valves, blowers and fans.

Responsible for repair, maintenance and modifications to complex chemical feed systems. These systems can be highly hazardous chemicals in pressurized conditions.

Plans, organizes, schedules and directs preventive maintenance such as greasing, lubing, oil changes, re-packing or replacing seals or bearing, chain or gear adjustments.

Maintains accurate computerized maintenance management system (CMMS) covering various equipment related to large, complex water, wastewater and advanced water treatment systems.

Primary responsibility in overseeing and completing modifications, fabrications and upgrades to facilities mechanical systems such as chemical tank and feed systems plumbing and piping.

Primary responsibility to oversee completion of annual testing on all backflow devices within the facilities ensuring compliance with the City ordinance.

In the absence of the Senior Maintenance Technician acts as a lead person to ensure technical regulations and procedures pertaining to the operation of equipment and machinery are followed. Directs activities of lower level Maintenance Technicians.

Interprets blueprint drawings as required for plant modifications and bluestaking.

Oversees contractor jobs as related to the repair and modification of treatment plant equipment. Acts as the point of contact for such contractors.

Performs journeyman level welding of various pipe and steel work within the plants, operates a lathe in the fabrication of various fittings and accessory equipment.

Operates a complex SCADA system which controls the operation of all facets of the Water Campus.

Performs various duties under potentially harsh environmental conditions related to raw sewage and highly hazardous chemicals.

Is committed to working as a team and maintaining a safe work environment. Follows all applicable OSHA requirements.

Attendance and punctuality are essential functions of this position.

## **MINIMUM QUALIFICATIONS**

### **Knowledge, Skills, and Abilities**

#### Knowledge of:

Water, wastewater or advanced water system operations, methods, procedures, and principles, and of the related mechanical components.

#### Ability to:

Work rotating weekend shifts, holidays and a call-out schedule.

Perform journeyman level welding requirements.

Maintain, repair and diagnose any problem affecting the treatment plants.

Establish and maintain effective working relationships with co-workers, supervisors and the general public.

Operate a variety of equipment and machinery requiring continuous or repetitive arm and hand movements.

Prioritize schedule and work tasks and complete work within specified time periods and deadlines.

Move and lift heavy objects (50 pounds or more) both short and long distances.

Walk up and down stairs, climb up and down ladders and, traverse over rough terrain.

Work in adverse conditions, including extreme hot temperatures, cold temperatures, wind, rain and a high volume of noise.

Provide direction and guidance to other technicians.

### **Education & Experience:**

Any combination of training, education and experience equivalent to 5 years experience in the maintenance and repair of water, wastewater or advanced water systems equipment and machinery.

40 hour HAZWOPER Certification is required.

Must be certified as a general backflow device tester in the State of Arizona.

Must have demonstrated welding ability at a journeyman's level with at least 2 years experience in steel piping fabrication.

Must possess and maintain during this position a valid Arizona Driver's License, with no major driving citations in the last 39 months for all driving positions.

Must possess, or obtain within one year of hire, certification as a Water or Wastewater Treatment Operator, Grade II, from ADEQ.

**FLSA Status: Non-Exempt**

**HR Ordinance Status: Classified**